

## Polymorphic Consensus Sequence

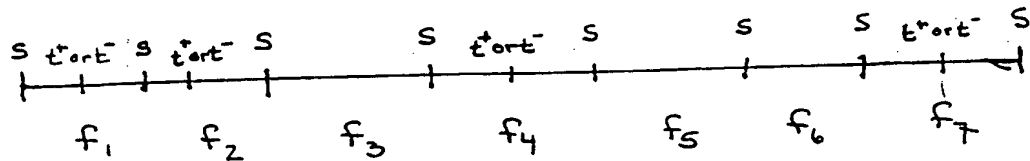


FIGURE 1C

Polymorphic  
Subregion

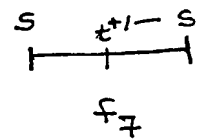
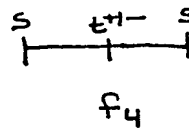
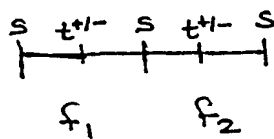
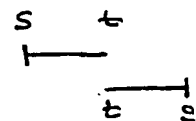
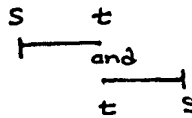
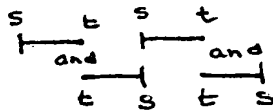


FIGURE 1D

Library



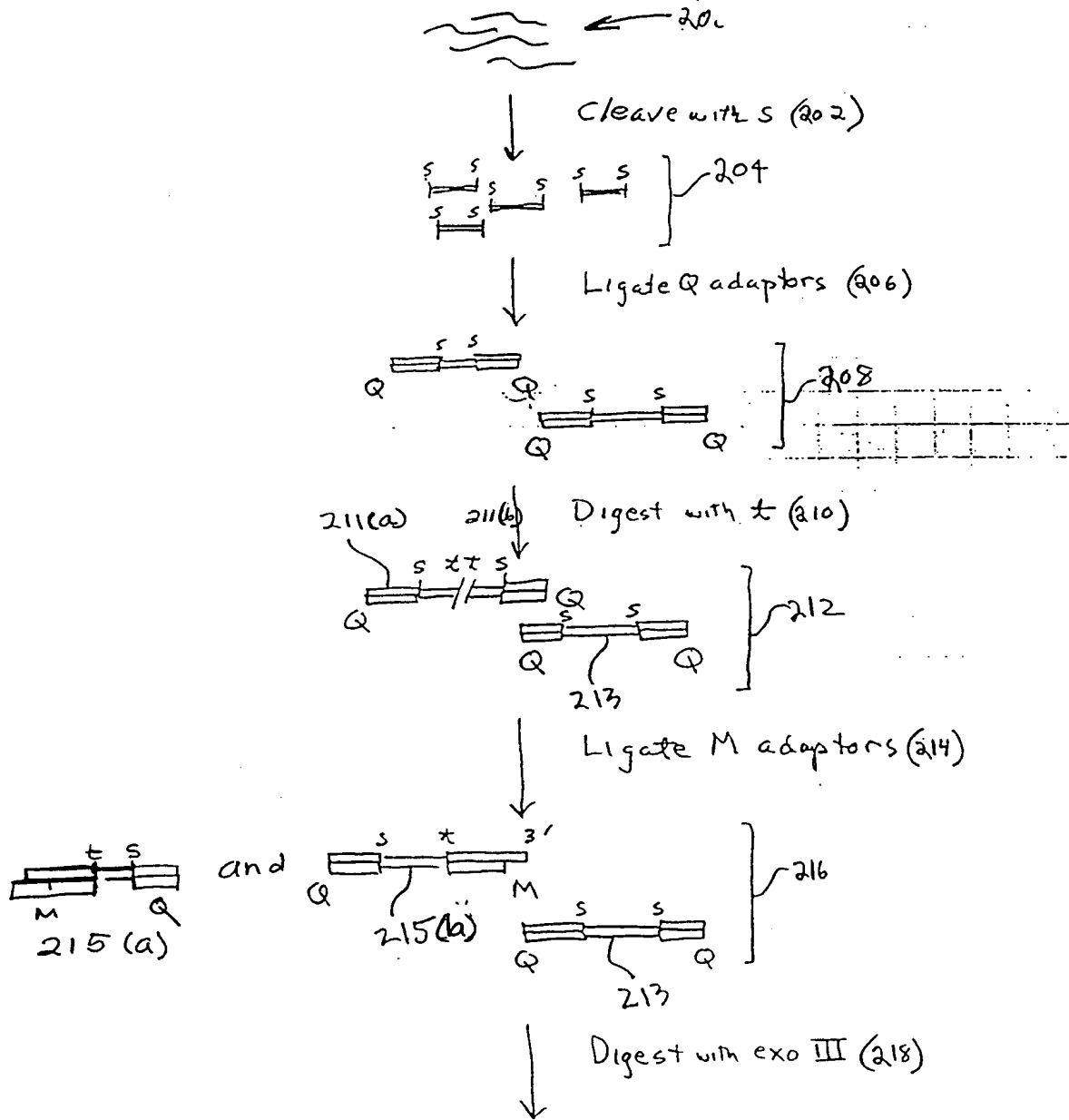


Fig. 2A

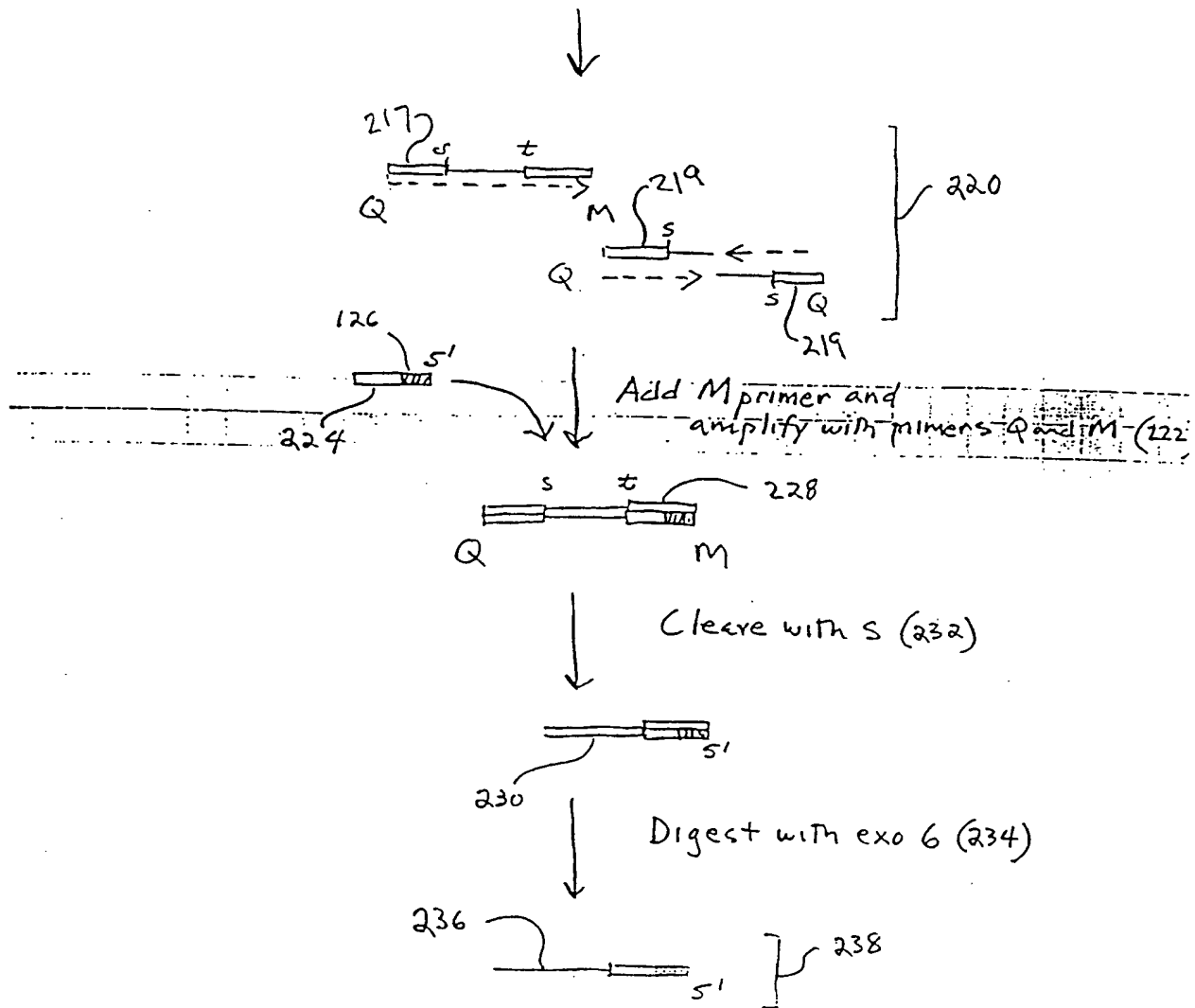


Fig 2B

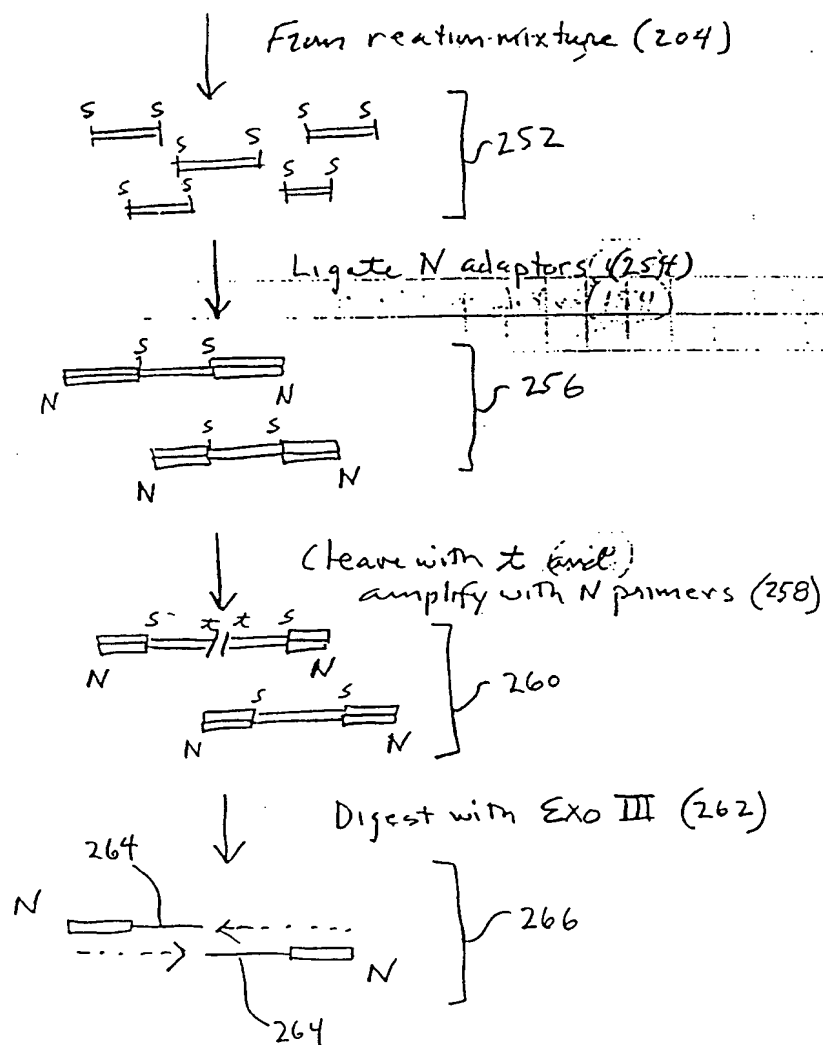


Fig. 2E

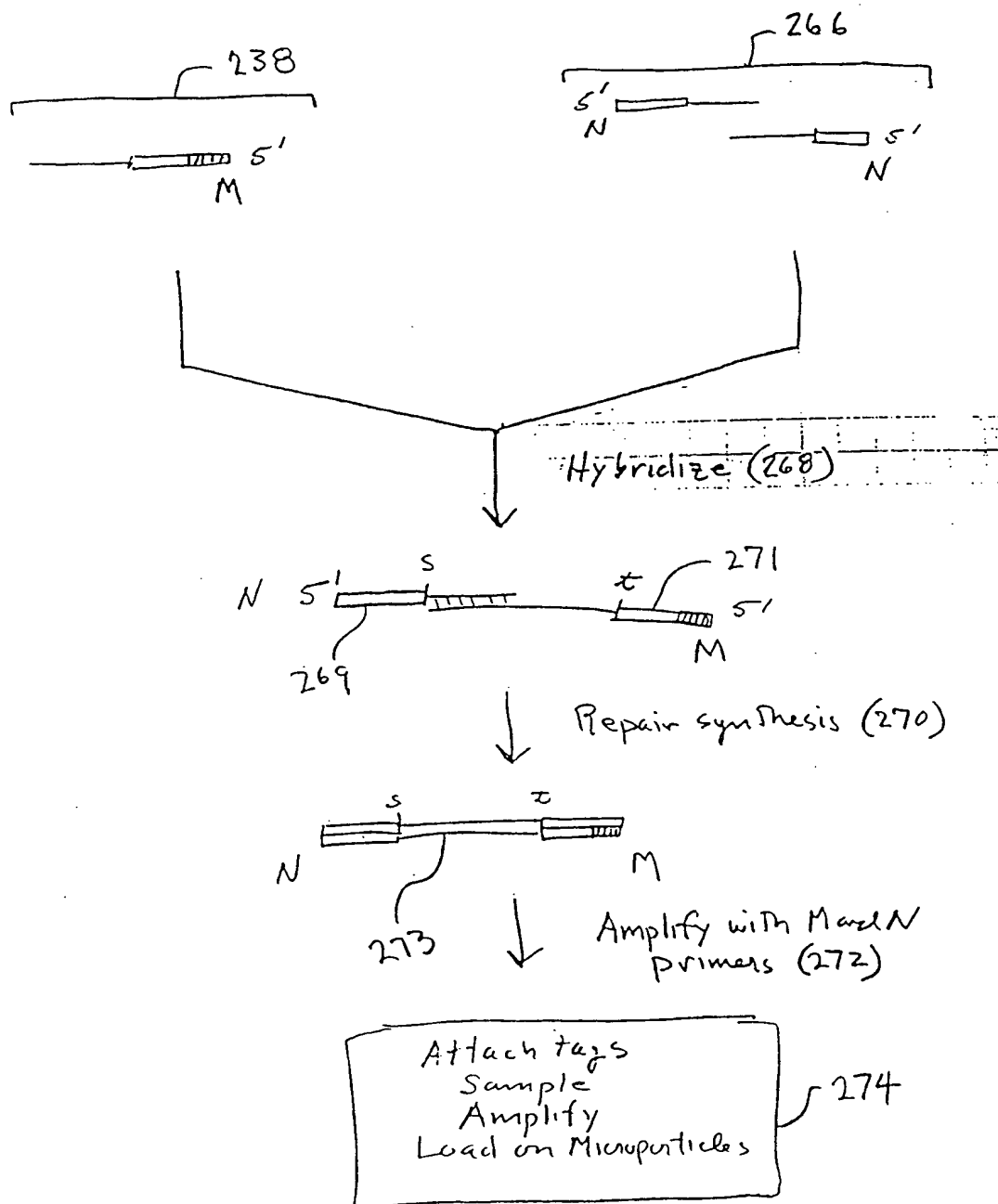
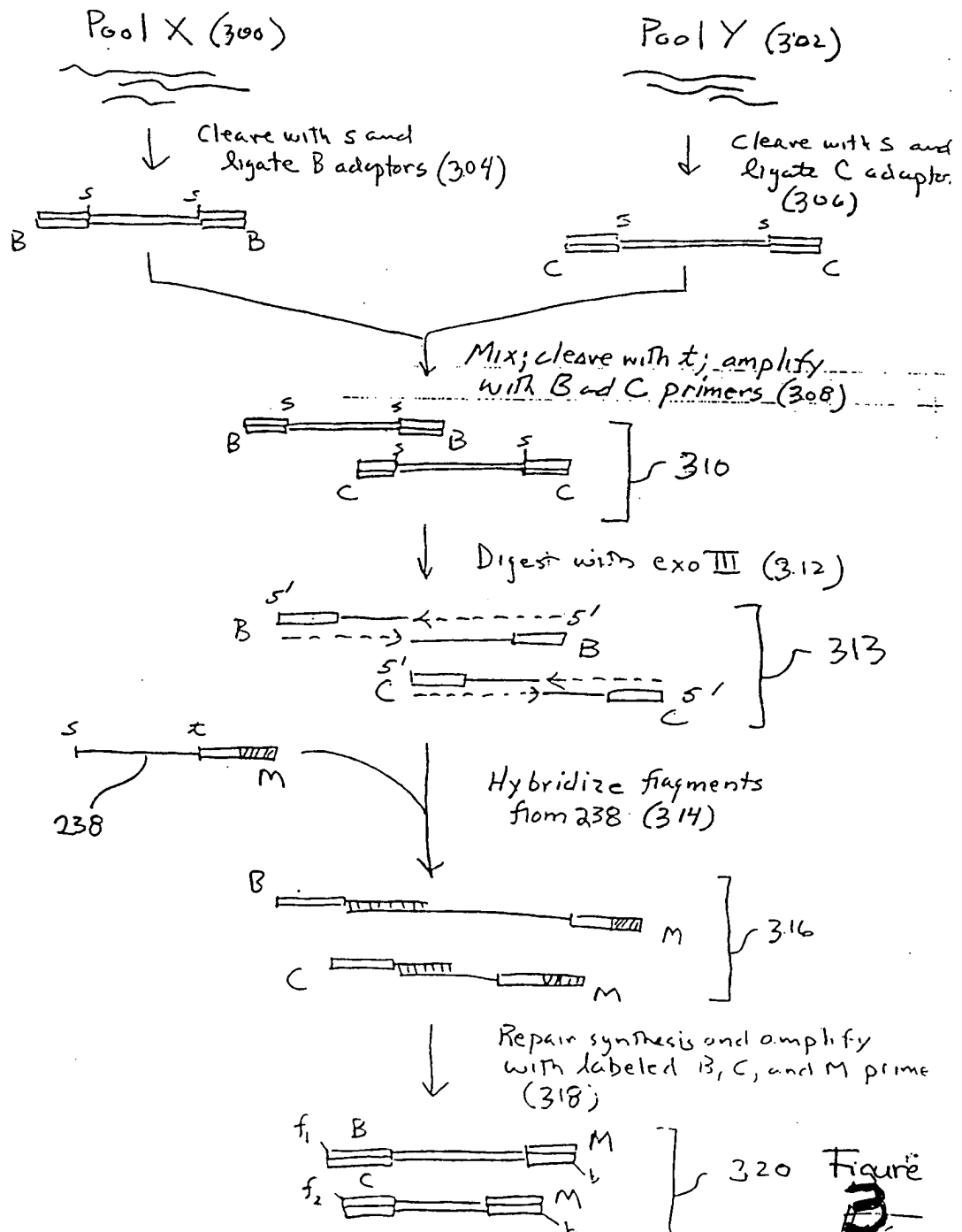


Fig. 21



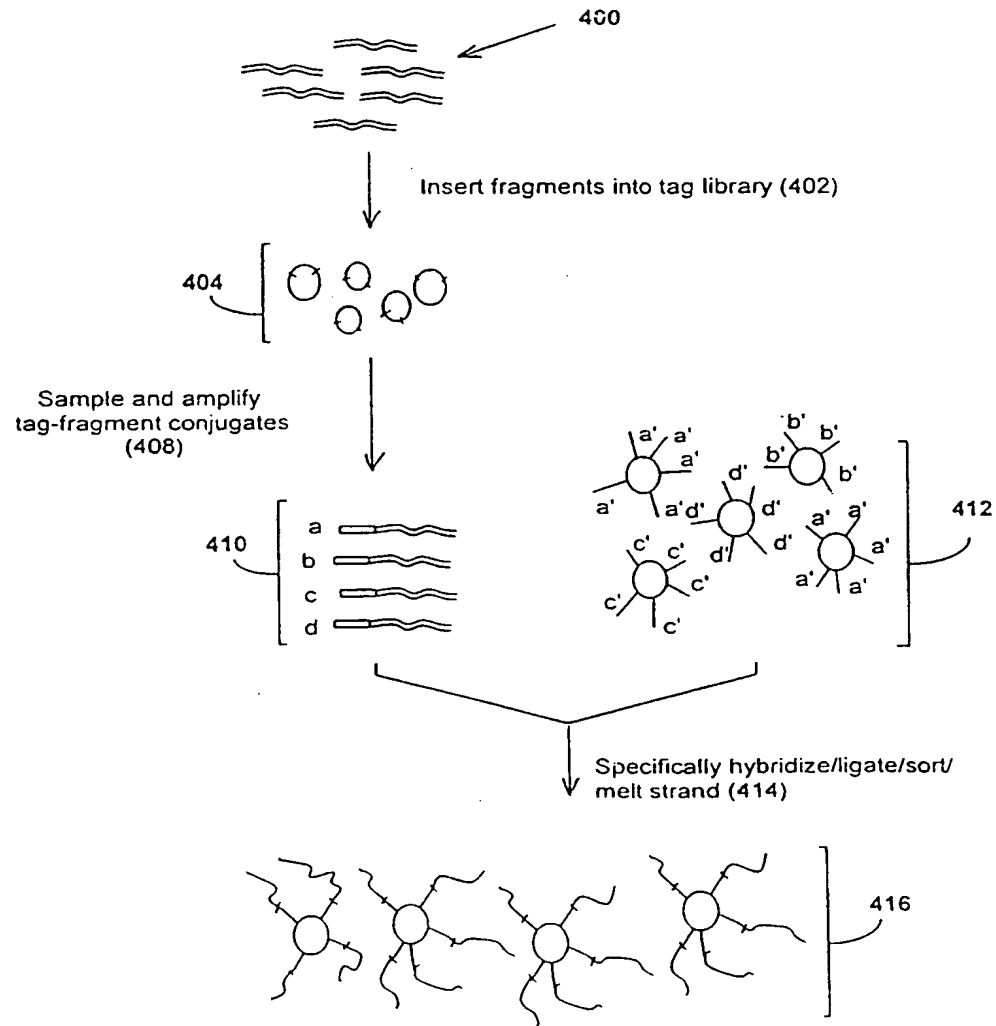


Fig. 4

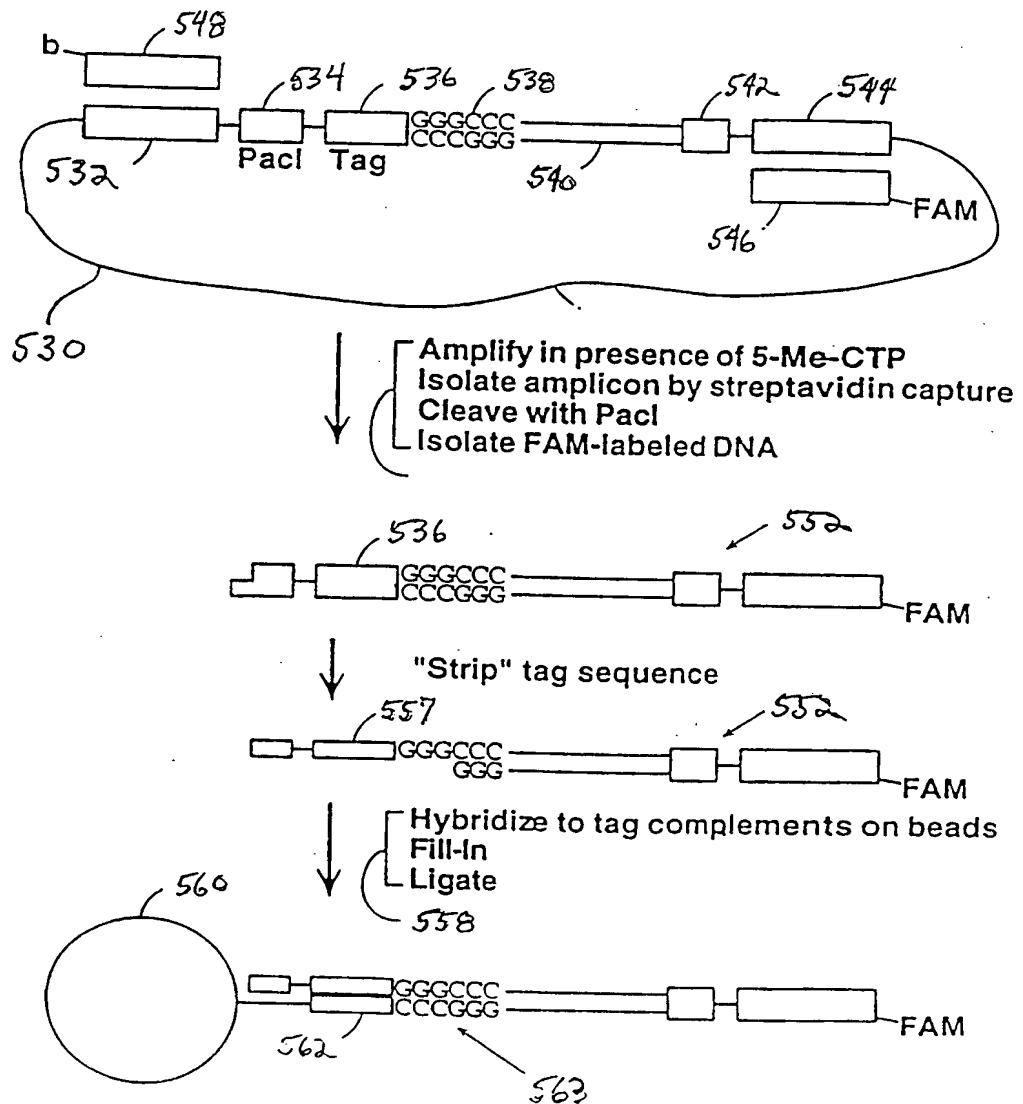
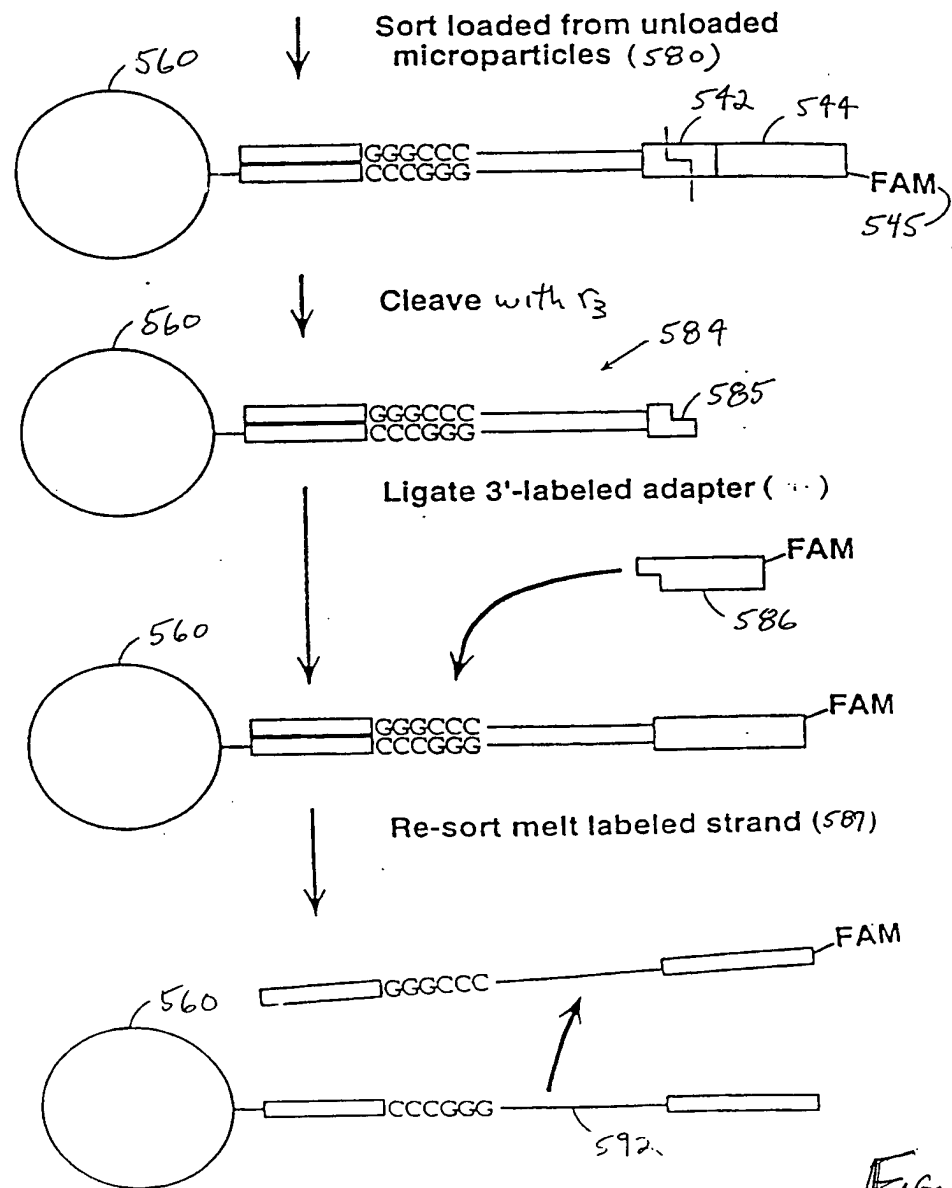


Fig 5A



FIG. 5  
B

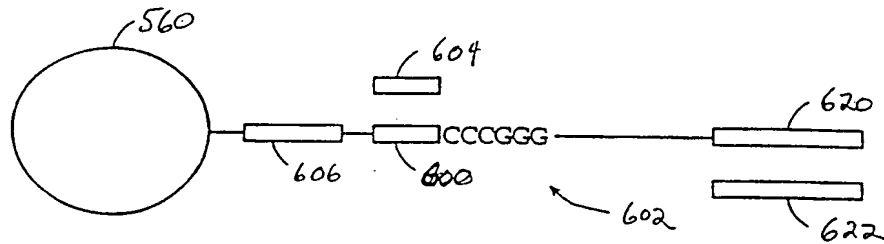


Fig. 6A

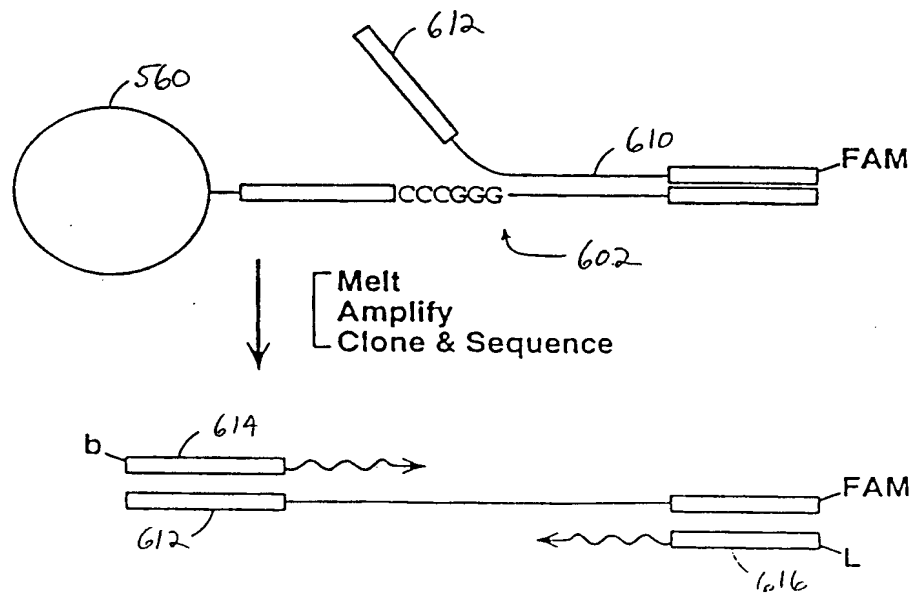
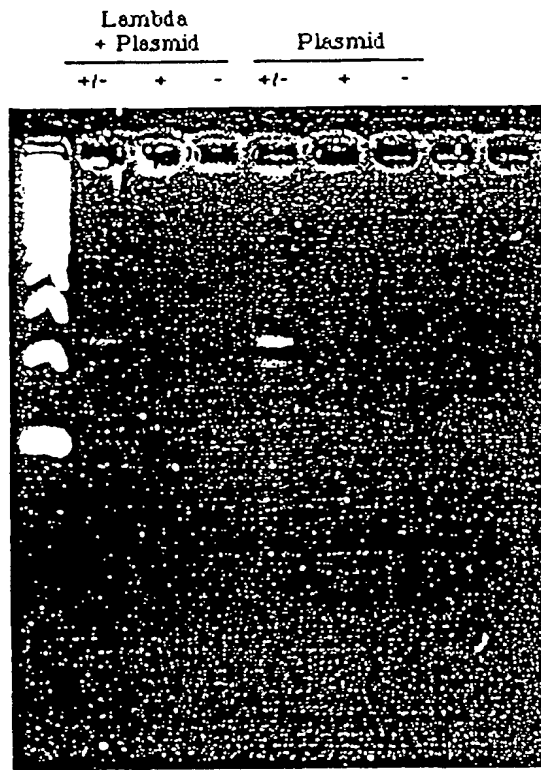
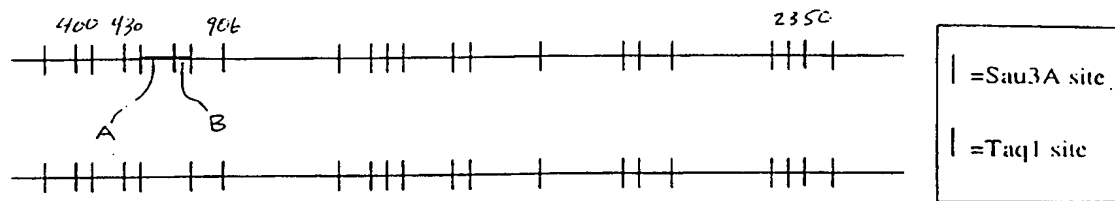


Fig. 6B

Fig. 7A



Expected bands approx 190bp  
230bp

Fig. 7B

## Generation of Taq+ fragments

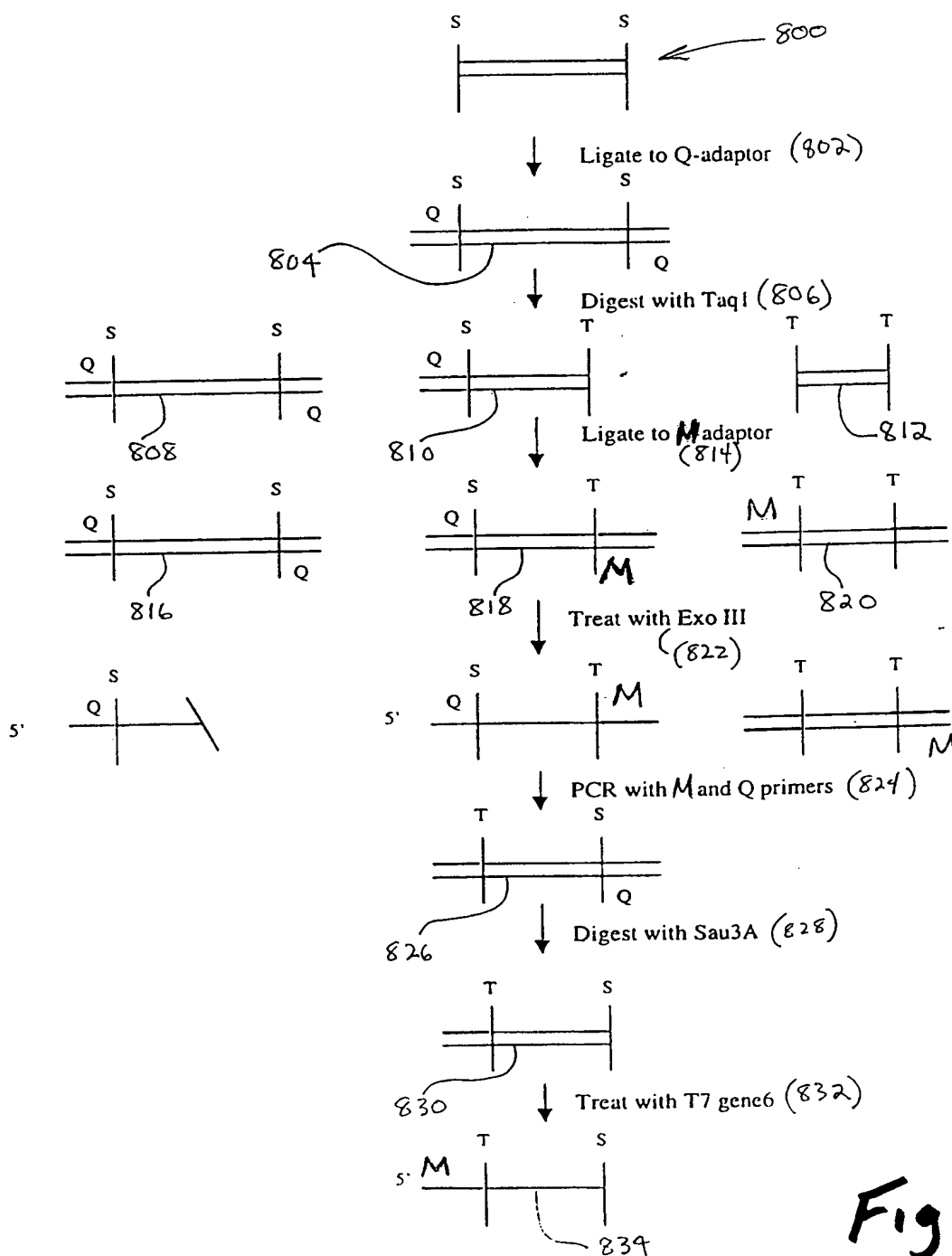
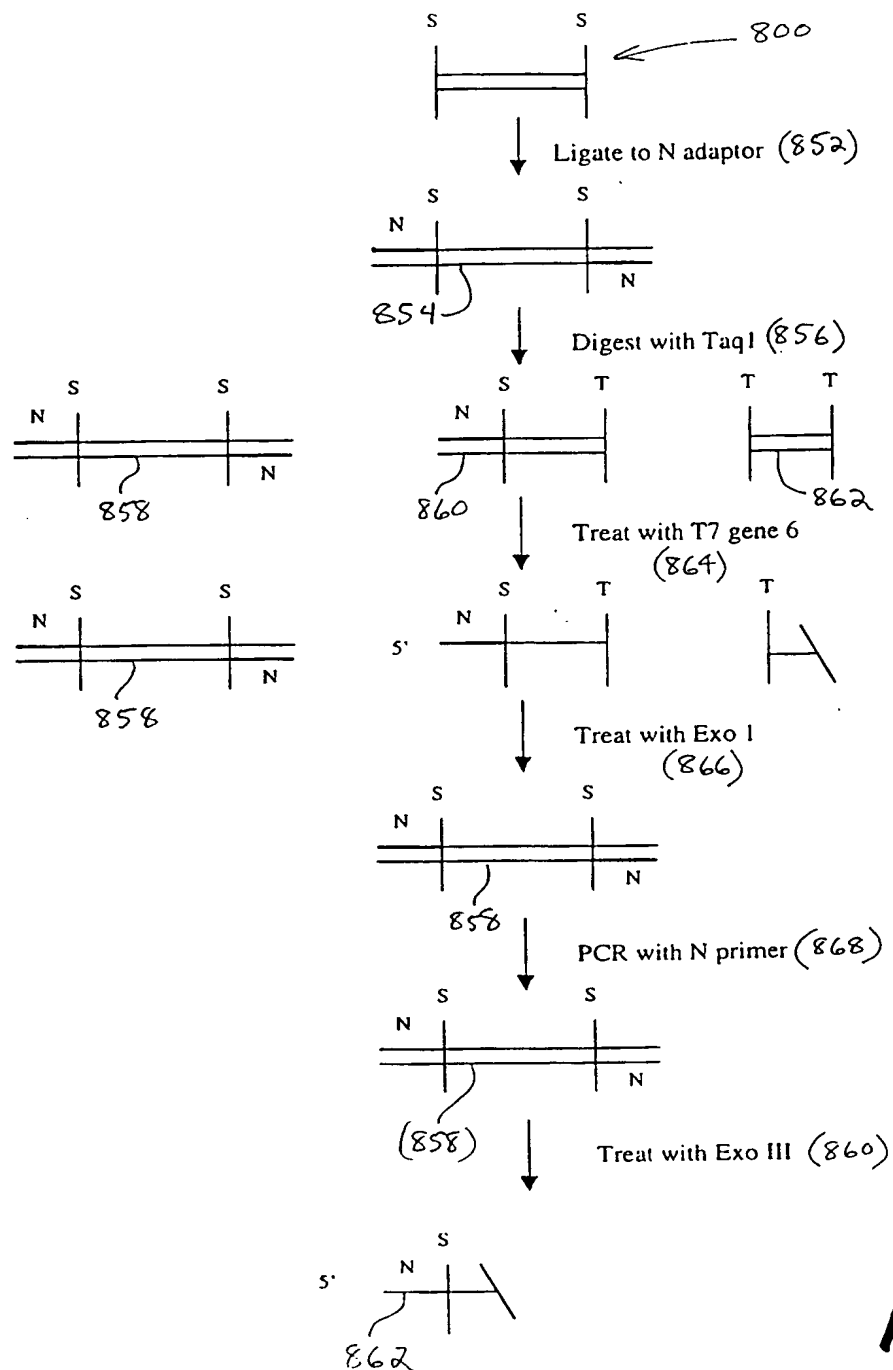


Fig 8A

## Generation of Taq- fragments



# Rescue of polymorphic fragments

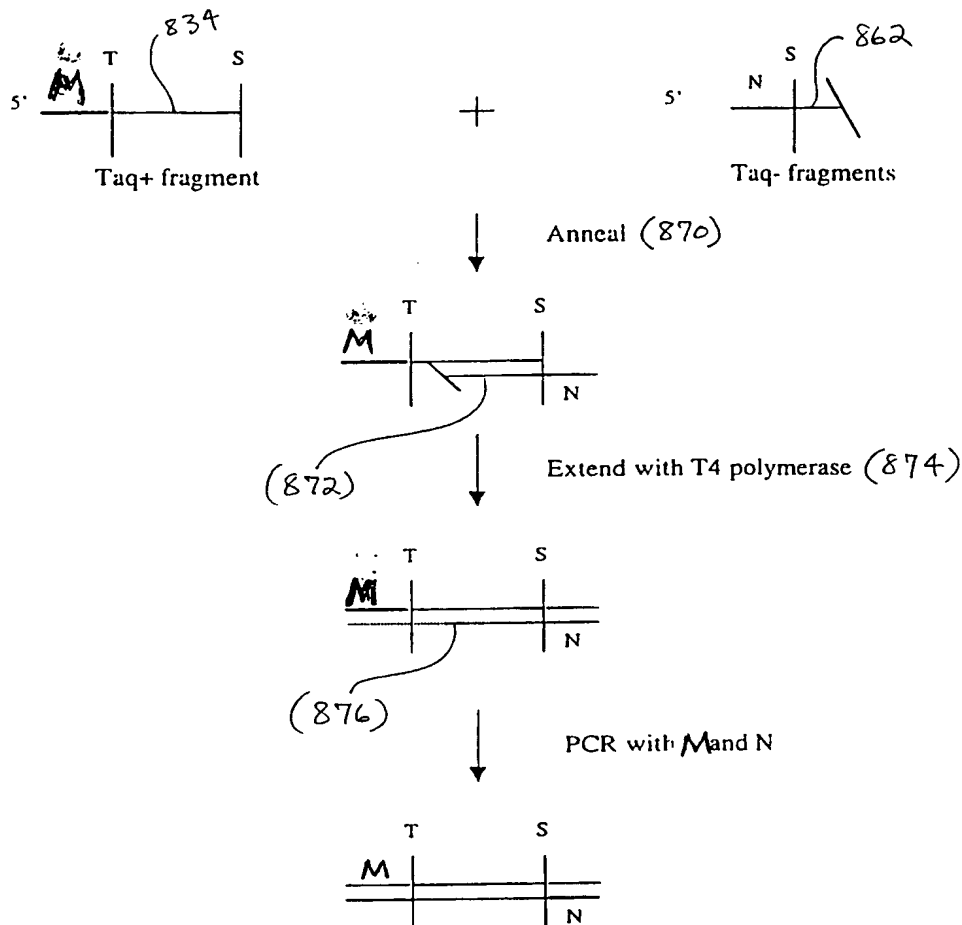


Fig 8C

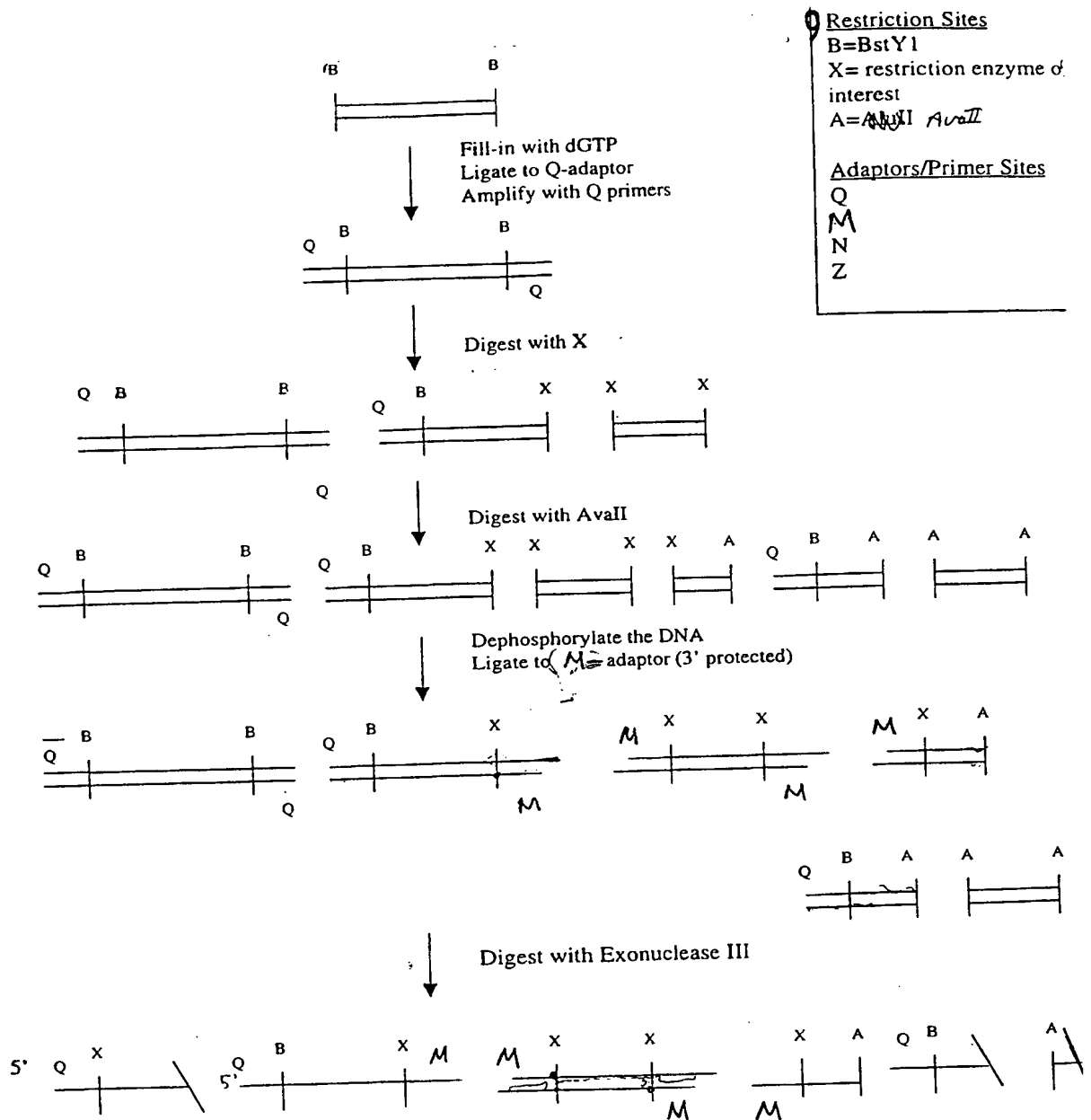


Fig 9A

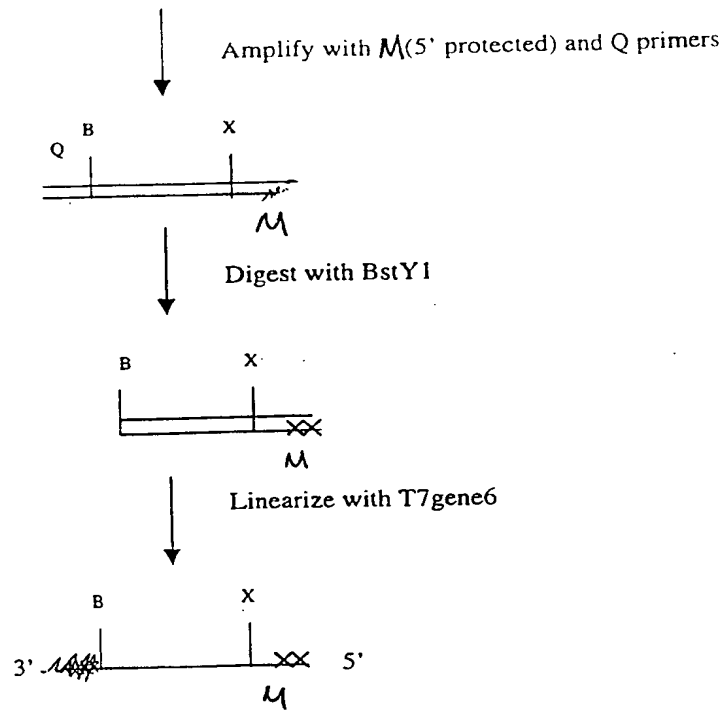


Fig. 9B



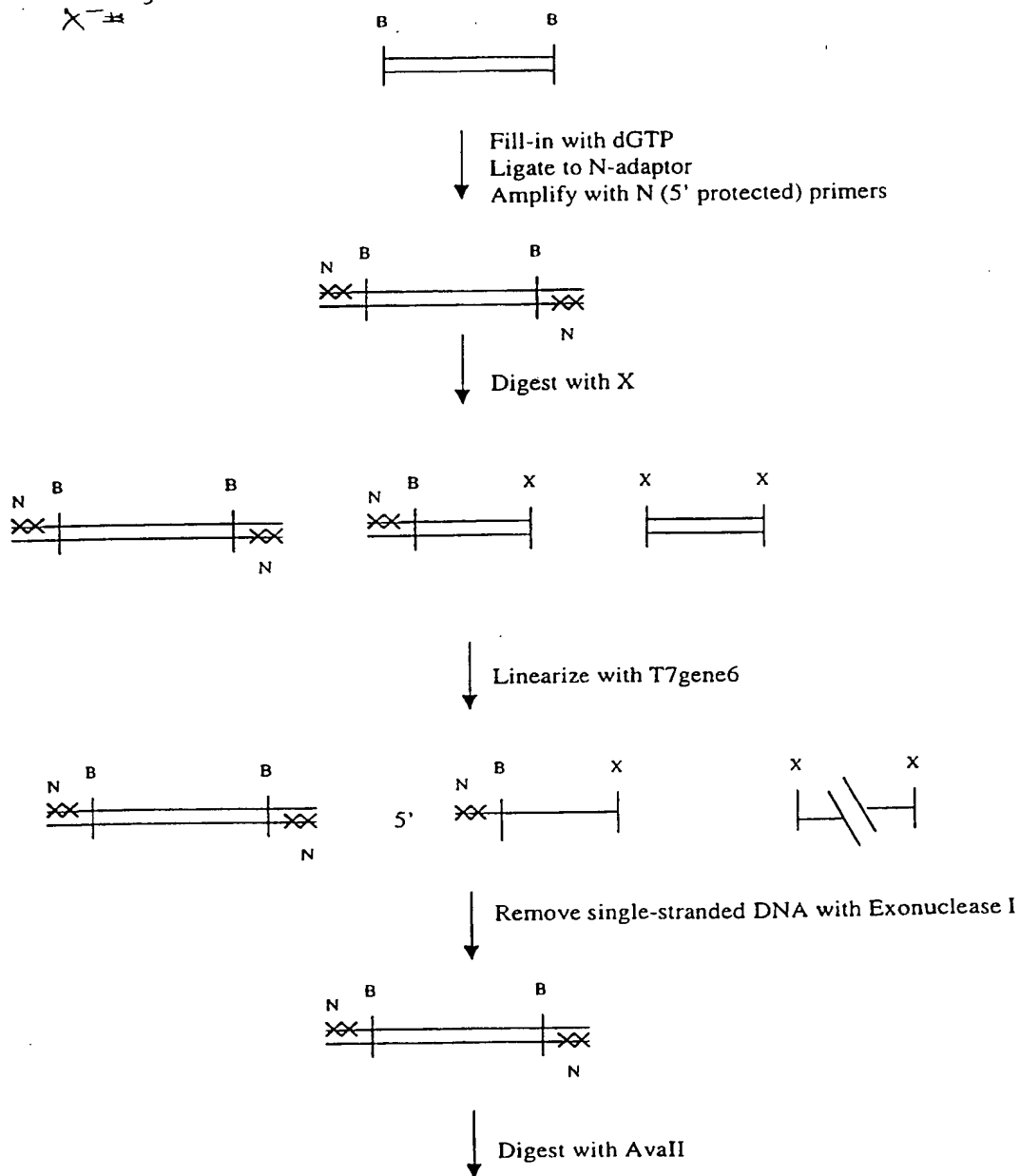
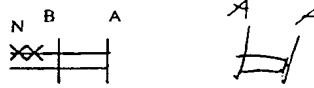
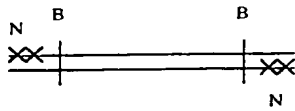
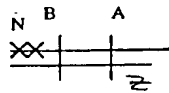


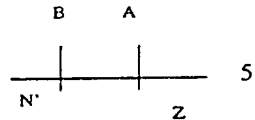
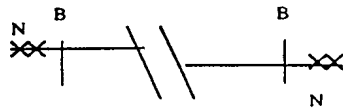
Fig 10A.



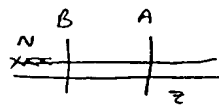
↓  
Fill-in with ddGTP  
Ligate to Z-adaptor (3' protected)



↓  
Linearize with ExonucleaseIII



↓ PCR with N (5' protected) + Z-tag



↓ T7 gene 6 treatment

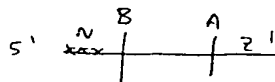
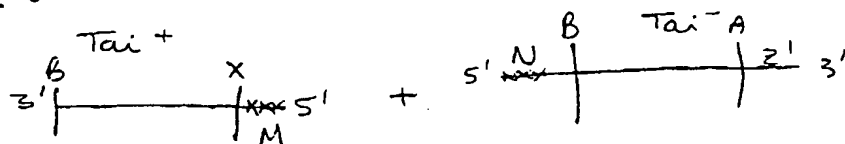


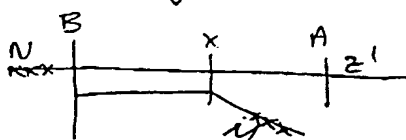
Fig. 10B

Figure 11

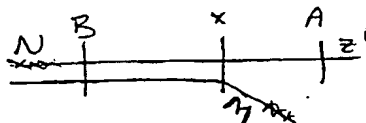
Hybridization of  $Tai^+$  and  $Tai^-$



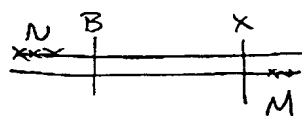
↓ hybridize



↓ extend with  $T_4$  DNA polymerase  
or sequenase



↓ PCR with N + M primers



= reference SNP library